



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **WIRELESS CHAT AUTOMATIC STATUS SIGNALING**, the specification of which was filed on March 23, 2001, as application Serial No. 09/814,363.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

We acknowledge the duty to disclose all information known to us which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

We hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, we acknowledge the duty to disclose all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

**U.S. Provisional Application, Serial No. 60/196,099, entitled
"Wireless Chat Status Tracking," filed on April 11, 2000**

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

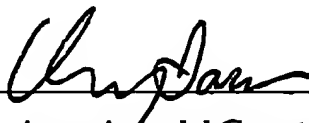
We hereby appoint the following attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

William H. Bollman	(Reg. No. 36,457)
Edward J. Stemberger	(Reg. No. 36,017)
Jeffrey S. Melcher	(Reg. No. 35,950)
W. Warren Taltavull	(Reg. No. 25,647)
Leon R. Turkevich	(Reg. No. 34,035)
Paul E. White, Jr.	(Reg. No. 32,011)

Please address all correspondence to **MANELLI DENISON & SELTER PLLC, 2000 M Street, N.W., Suite 700, Washington, DC 20036-3307**, and all telephone calls to **William H. Bollman** at (202) 261-1020.

Full name of 1st joint inventor: **Dara UNG**

Inventor's signature



Date:

5/21/2001

Residence: **Odenton, Anne Arundel County, Maryland**

Citizenship: **USA**

Post Office Address: **843 Snow Valley Lane, Odenton, Maryland 21113**

Full name of 2nd joint inventor: **Mark TITUS**

Inventor's signature

Date:

Residence: **Arnold, Anne Arundel County, Maryland**

Citizenship: **USA**

Post Office Address: **396 Kiltie Court, Arnold, Maryland 21012**

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Full name of 1st joint inventor: **Dara UNG**

Inventor's signature _____ Date: _____

Residence: **Odenton, Anne Arundel County, Maryland**

Citizenship: **USA**

Post Office Address: **843 Snow Valley Lane, Odenton, Maryland 21113**

Full name of 2nd joint inventor: **Mark TITUS**

Inventor's signature  Date: 5/1/01

Residence: **Arnold, Anne Arundel County, Maryland**

Citizenship: **USA**

Post Office Address: **396 Kiltie Court, Arnold, Maryland 21012**

• Full name of 3rd joint inventor: **Johanna WILSON**

Inventor's signature Johanna Wilson Date: 5.29.01

Residence: **Annapolis, Anne Arundel County, Maryland**

Citizenship: **USA**

Post Office Address: **12 North Southwood Avenue, Annapolis, Maryland 21401**

Full name of 4th joint inventor: **Richard SMITH**

Inventor's signature Richard Smith Date: 5/29/01

Residence: **Annapolis, Anne Arundel County, Maryland**

Citizenship: **USA**

Post Office Address: **12 North Southwood Avenue, Annapolis, Maryland 21401**

RECORDATION FORM COVER SHEET PATENT APPLICATIONS & PATENTS ONLY

TO THE DIRECTOR OF U.S. PATENT AND TRADEMARK OFFICE:

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S))

1) Dara UNG
2) Mark TITUS
3) Johanna WILSON

4) Richard SMITH

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: **TeleCommunication Systems, Inc.**

ADDRESS: 275 West Street, Suite 400, Annapolis, Maryland 21401

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation – multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE

PART INTEREST

EXEC. DATE: May 29, 2001

☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER ☐ OTHER:4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (**NOTE:** IF DATES ↑↓ DIFFER SEE ATTY!): May 29, 20014.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES☒ NOA. PAT. APP. NO.(S)
series code/serial no

M#

20-431

1ST INVENTOR
if not in item 1

UNG

B. PATENT NO(S)

M#

1ST INVENTOR
if not in item 1

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

MANELLI DENISON & SELTER P.L.L.C.
2000 M Street, N.W. Suite 700
Washington, DC 20036

6. NUMBER INVOLVED:

APPLNS 1 + PATS: = TOTAL 17. AMOUNT OF FEE ENCLOSED: (Code 581).....
ABOVE TOTAL X \$40 = \$ 40

5.5 ATTY DKT:

20-431

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8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687

UNDER ORDER NO:

20-431

MATTER NO.

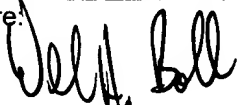
CLIENT REF.

dup. sheet not required

CLIENT/MATTER

9. STATEMENT AND SIGNATURE. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature:



Attorney: William H. Bollman

Reg. No. 36,457

Atty/Sec:

10. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

6

Date: May 31, 2001

TEL: (202)261-1020

Fax (202) 887-0336

FILE WITH PTO RETURN RECEIPT

ASSIGNMENT AND AGREEMENT

For value received, we, **Dara UNG**, of **843 Snow Valley Lane, Odenton** in the County of **Anne Arundel** and State of **Maryland**, and **Mark TITUS**, of **396 Kiltie Court, Arnold**, in the County of **Anne Arundel** and State of **Maryland**, and **Johanna WILSON**, of **12 North Southwoods Avenue, Annapolis**, in the County of **Anne Arundel** and State of **Maryland**, and **Richard A. SMITH**, of **12 North Southwoods Avenue, Annapolis**, in the County of **Anne Arundel** and State of **Maryland**, hereby sell, assign and transfer to **TeleCommunication Systems, Inc.**, a corporation of the State of **Maryland**, having an office at **275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A.**, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **WIRELESS CHAT AUTOMATIC STATUS SIGNALING**, described in an application for Letters Patent of the United States, executed by us on even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to **TeleCommunication Systems, Inc.** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize **TeleCommunication Systems, Inc.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **TeleCommunication Systems, Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said invention be issued to **TeleCommunication Systems, Inc.** in the United States and in all countries foreign to the United States, or to such nominees as **TeleCommunication Systems, Inc.** may designate.

We agree that, when requested, we shall, without charge to TeleCommunication Systems, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Dara UNG
Dara UNG

Date: 5/21/2001

United States of America)

State of MARYLAND) ss.:

County of ANNE ARUNDEL)

On this 21ST day of MAY, 2001, before me personally came [Dara UNG], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Peggy A. Solomon
Notary Public
Commission expires 4-1-03



Mark Titus
Mark TITUS

Date: 5/1/01

United States of America)

State of MARYLAND) ss.:

County of ANNE ARUNDEL)

On this 1ST day of MAY, 2001, before me personally came [Mark TITUS], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Peggy A. Solomon
Notary Public
Commission expires 4-1-03



Johanna Wilson
Johanna WILSON

Date: 5.29.2001

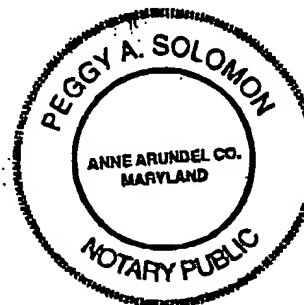
United States of America)

State of MARYLAND) ss.:

County of ANNE ARUNDEL)

On this 29th day of MAY, 2001, before me personally came [Johanna WILSON], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Peggy A. Solomon
Notary Public
Commission expires
4-1-03




Richard A. SMITH

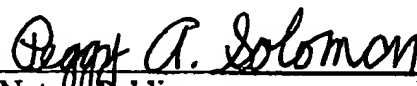
Date: 5/29/01

United States of America)

State of MARYLAND) ss.:

County of ANNE ARUNDEL)

On this 29th day of MAY, 2001, before me personally came [Richard A. SMITH], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public
Commission expires 4-1-03

